FIG.1 PRIOR ART

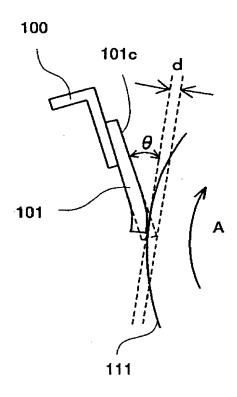


FIG.2 PRIOR ART

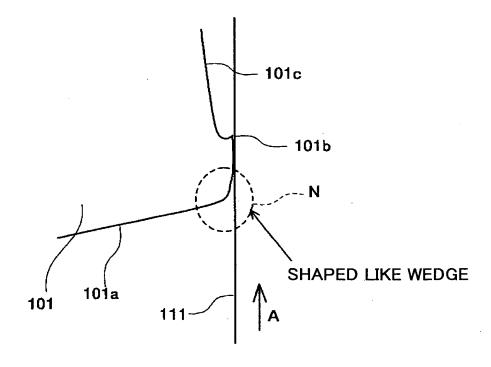


FIG.3 PRIOR ART

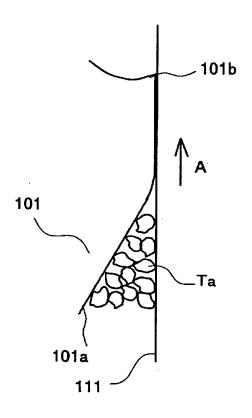


FIG.4 PRIOR ART

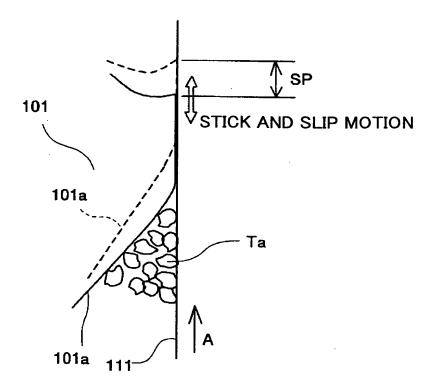


FIG.5 PRIOR ART

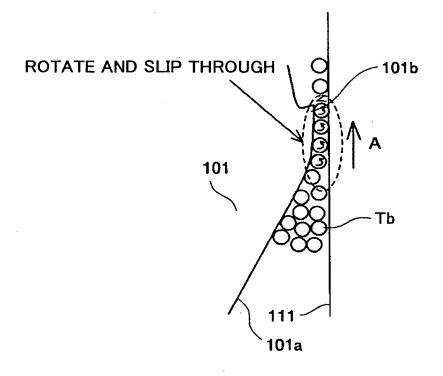


FIG.6 PRIOR ART

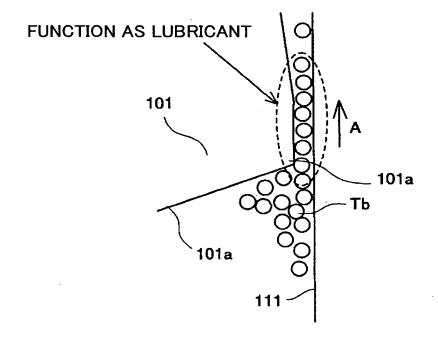


FIG.7

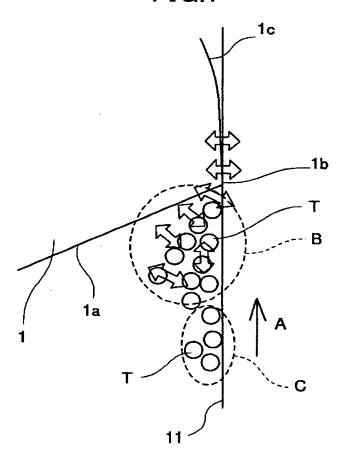


FIG.8

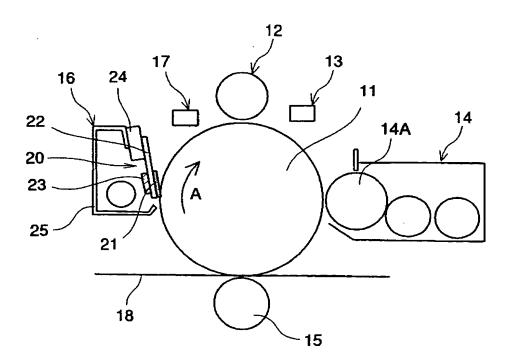


FIG.9

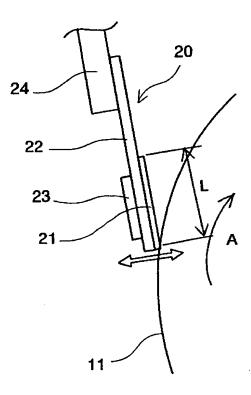


FIG.10

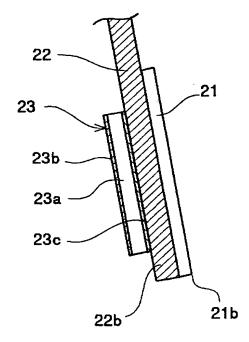


FIG.11

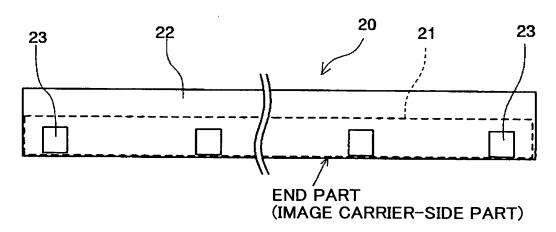


FIG.12

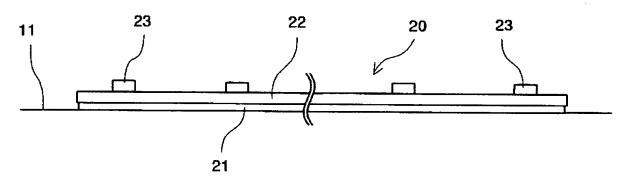
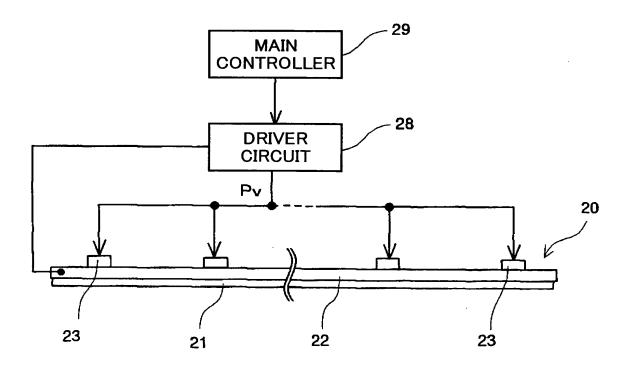
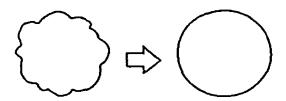


FIG.13



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FIG.14

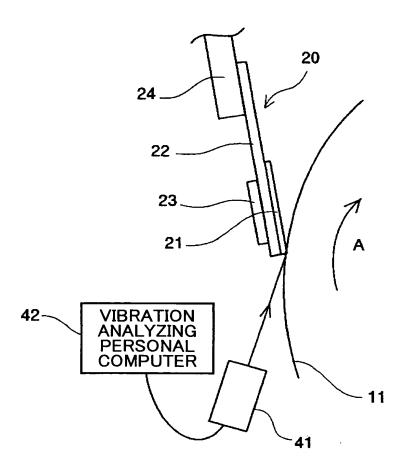


CIRCUMFERENCE: L1 CIRCLE OF AREA S

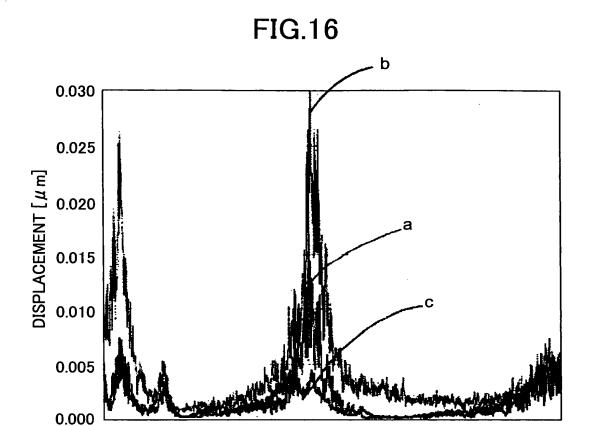
PARTICLE PROJECTED AREA: S CIRCUMFERENCE: L2

 $CIRCULARITY = \frac{L2}{L1}$

FIG.15



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1.00E+04 1.50E+04 2.00E+04 2.50E+04 3.00E+04 3.50E+04 4.00E+04 FREQUENCY [Hz]

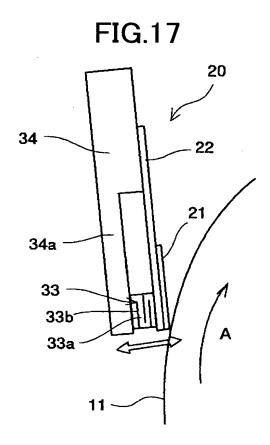


FIG.18

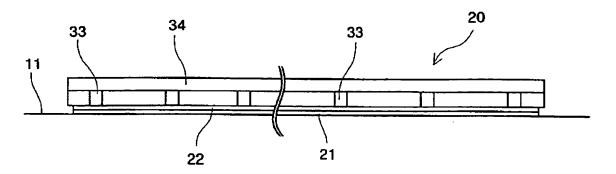


FIG.19

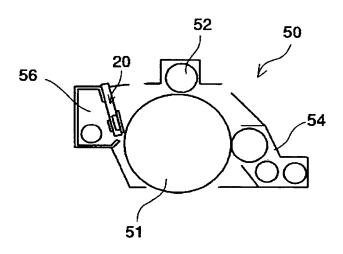


FIG.20

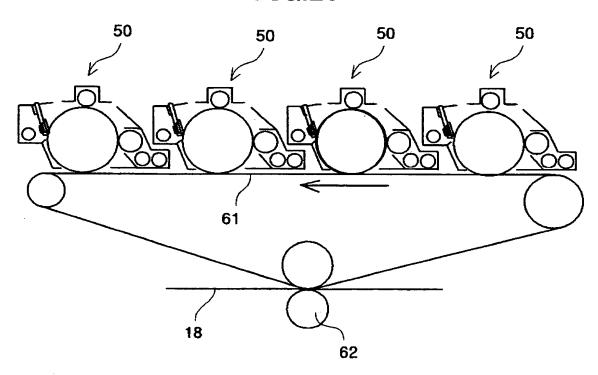


FIG.21

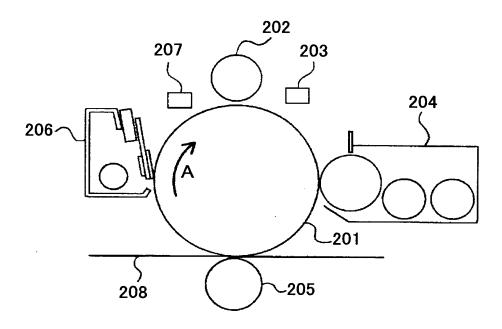
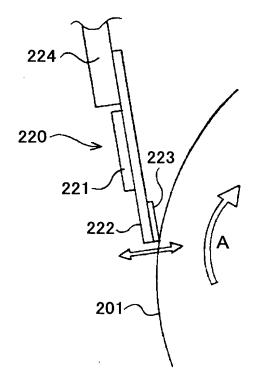


FIG.22



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FIG.23A

FIG.23B

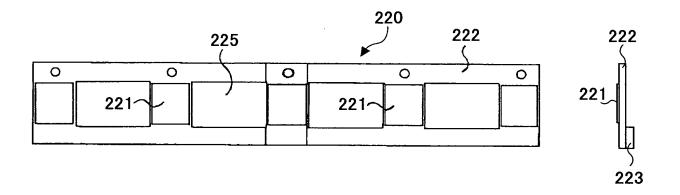
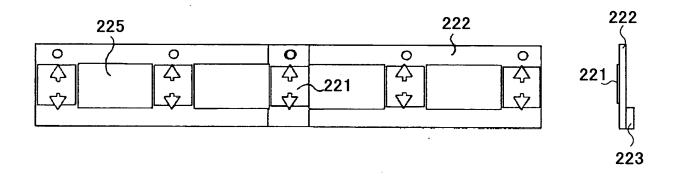


FIG.24A

FIG.24B



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FIG.25

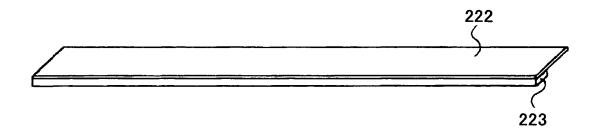


FIG.26A

FIG.26B

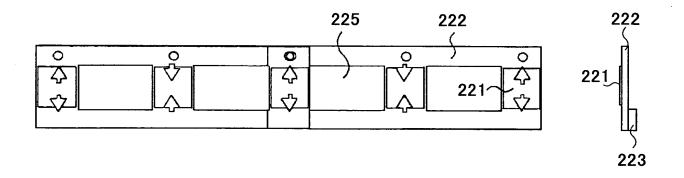


FIG.27

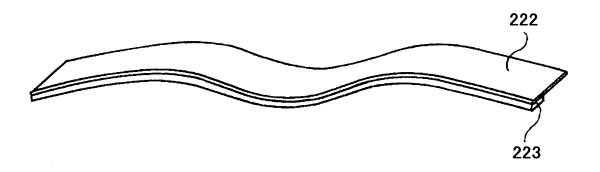


FIG.28

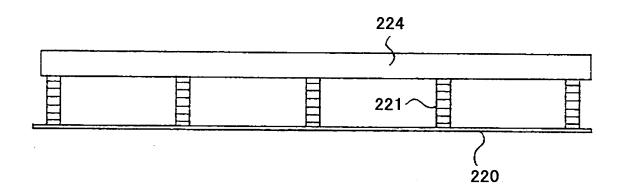
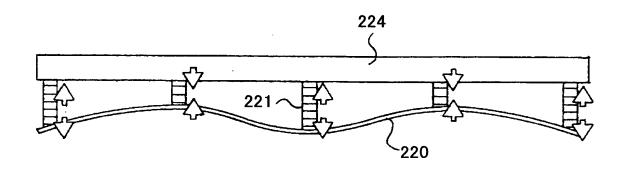


FIG.29



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FIG.30

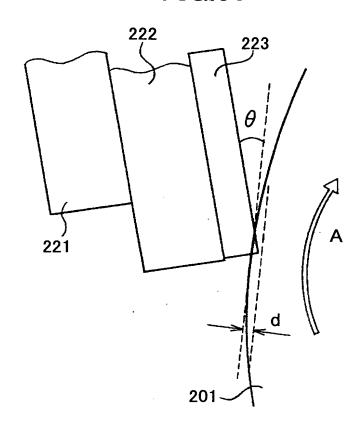


FIG.31A

FIG.31B

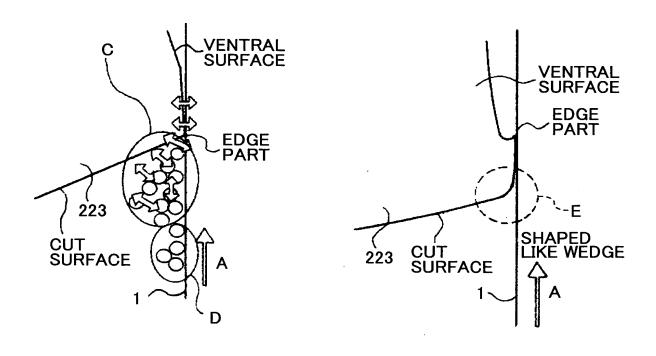


FIG.32

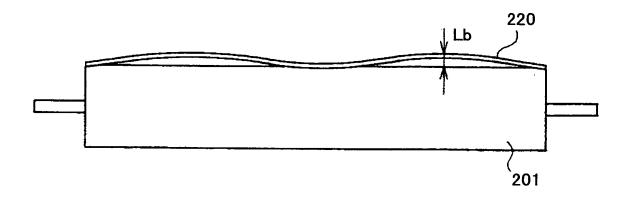


FIG.33

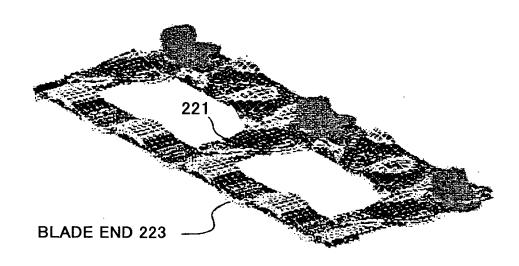


FIG.34

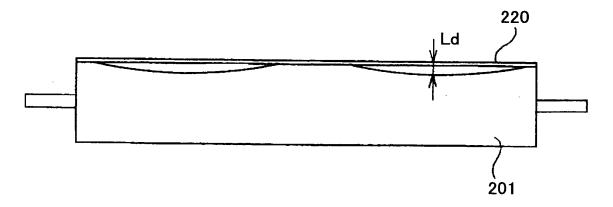


FIG.35

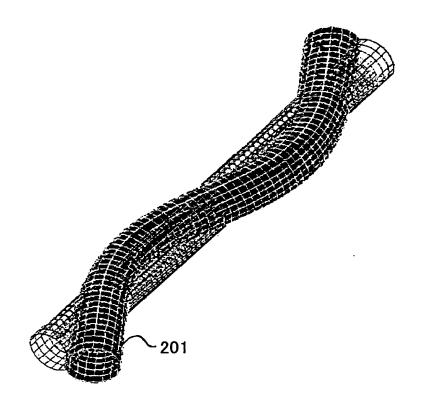
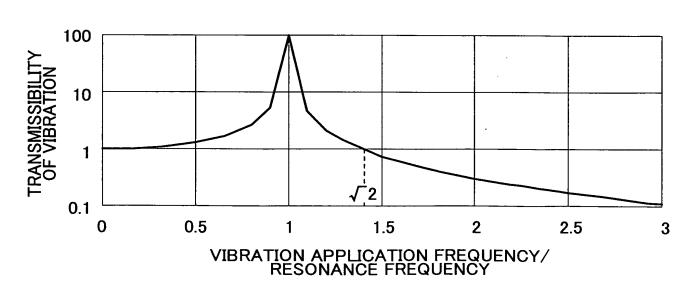


FIG.36



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FIG.37A

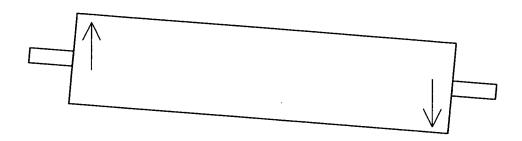


FIG.37B

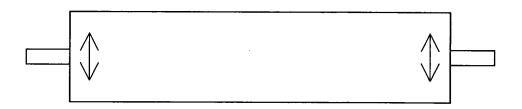
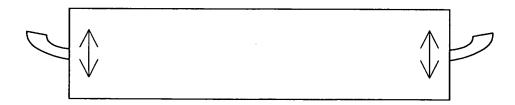


FIG.37C



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FIG.38

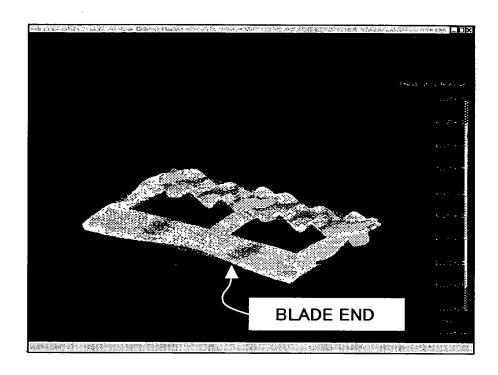


FIG.39

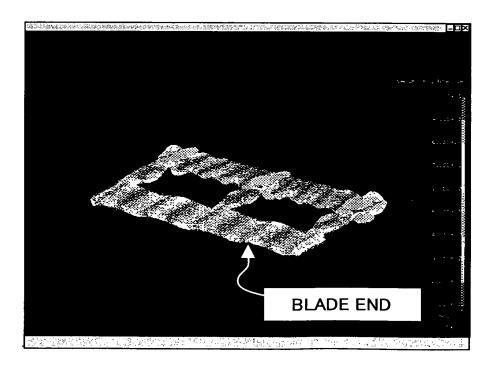


FIG.40

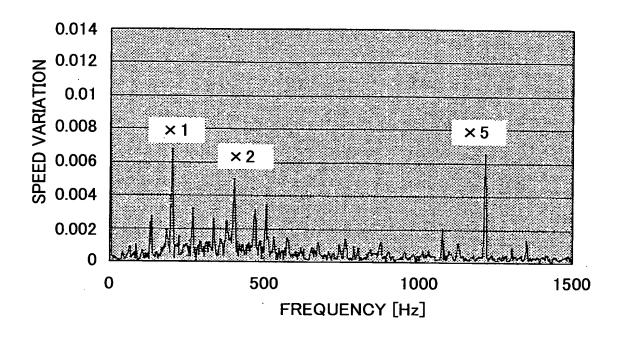
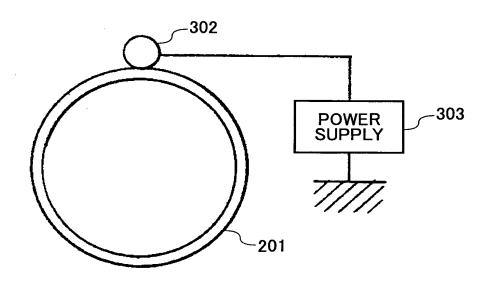


FIG.41



OBLON, SPIVAK, ET AL DOCKET #: 251418US2 INV: Tohru NAKANO, et al. SHEET <u>20</u> OF <u>21</u>

FIG.42



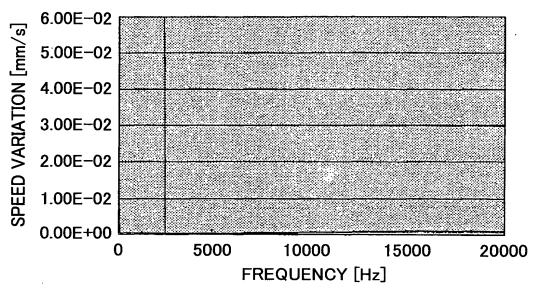


FIG.43

FREQUENCY OF APPLIED VOLTAGE 3914Hz

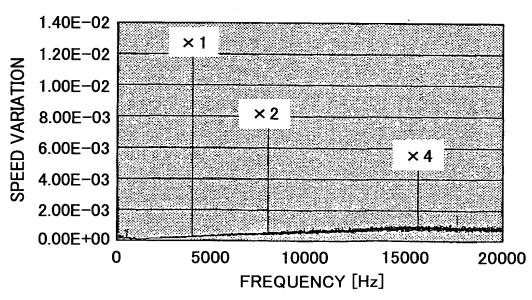


FIG.44

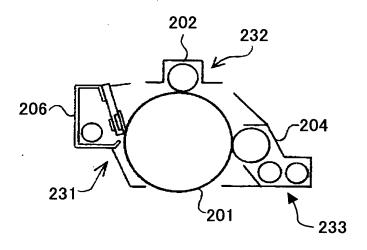


FIG.45

